

Appendix M: Evaluation Scorecards

WATERSHED GOAL #1 MILESTONE SCORECARD:
WATER QUALITY IMPROVEMENTS

Improve water quality and prevent future pollution impacts to streams, lakes, ponds, and wetlands within the DPR planning area.

Timeframe: Short (**S**): 1-5 years, Medium (**M**): 6-10 years, Long (**L**): 10+ years

OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE	GRADE
1a	Watershed stream annual monitoring program support. Goal #1 Actions 1-4	S	Continue water quality monitoring through DRWW monitoring program	
		M		
		L		
	Implementation of watershed monitoring program for lakes. Goal #1 Actions 5-7	S	1. Enroll 15 lakes in the Volunteer Lake Monitoring Program (VLMP) 2. Install staff gauges 3. Begin Lake inlet water quality monitoring	
		M	1. Enroll 30 lakes in the Volunteer Lake Monitoring Program 2. Analysis of monitoring and VLMP data 1. Estimate/assess nutrient loads from watershed for 5 lakes with sufficient data.	
		L	1. Enroll 40 lakes in the Volunteer Lake Monitoring Program 2. Analysis of 5-10 year water quality trends for lakes with sufficient data	
1b	Number of water bodies removed from the Illinois EPA's impairments list. Goal #1 Actions 1-10	S	2 Lakes / 1 stream segment	
		M	6 Lakes / 3 stream segments	
		L	30 Lakes / 6 steam segments	
	Number of causes of impairment removed. Goal #1 Actions 1-7	S	5 lakes / 2 streams	
		M	10 lakes / 5 streams	
		L	40 lakes / 13 streams	
1c	Winter Maintenance Program establishment including: policy and manual development, de-icing workshop attendance and certification. Goal #1 Actions 8-9	S	20% of municipal programs	
		M	40% of municipal programs	
		L	100% of municipal programs	
1d	Number of local units of government that adopt a phosphorous ordinance. Goal #1 Action 14	S	8	
		M	20	
		L	All municipalities	
	Number of exceedances of permitted phosphorus concentrations from wastewater treatment plant effluent. Goal #1 Action 16	S	0% reduction in exceedances	
		M	25% reduction in exceedances	
		L	50% reduction in exceedances	

OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE	GRADE
	Number of agricultural BMPs implemented that target phosphorous. Goal #1 Action 10	S	1. 5 acres grass conversion 2. 10 WASCOBs 3. 5 equestrian facility/ livestock operations 4. 5 grass waterways 5. 250 acres no-till and cover crops 6. 5 field borders	
		M	1) 10 acres grass conversion 2) 10 WASCOBs 3) 10 equestrian facility/ livestock operation 4) 10 grass waterways 5) 1,000 acres no-till and cover crops 6) 10 field borders	
		L	1) 5 acres grass conversion 2) 10 WASCOBs 3) 10 equestrian facility/ livestock operations, 4) 10 grass waterways, 5) 3,000 acres no-till and cover crops 6) 10 field borders	
	Number of upgraded septic systems. Goal #1 Action 15	S	500	
		M	1,200	
		L	2,000	
	Number of municipalities that have codes that allow or require green infrastructure for stormwater management. Goal #1 Actions 11-13	S	8	
		M	20	
		L	All municipalities	
1e	Number of dams and impoundments removed or retrofitted. Goal #1 Actions 17-18	S	1	
		M	2	
		L	3	
1f	Reduction in concentrations of total suspended solids (TSS). Goal #1 Action 19	S	10%	
		M	20%	
		L	45%	
	Linear feet of streambank and shoreline restored. Goal #1 Action 20	S	5,000 linear ft	
		M	15,000 Linear ft	
		L	30,000 Linear ft	
1g	Number of algae blooms reported. Goal #1 Action 21	S	10% reduction	
		M	20% reduction	
		L	30% reduction	
1h	Percentage of identified sources of fecal coliform addressed. Goal #1 Actions 22-24	S	50%	
		M	75%	
		L	90%	
1i	Concentration of PAHs detected in water	S	Identify locations of high PAH	

OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE	GRADE
	quality/sediment monitoring efforts.		concentrations	
	Goal #1 Action 25	M	Develop a management and remedial action plan	
		L	Plan Implementation	
1j	Number of MS4 communities maintaining a database of pollution prevention plans that address emergency response to catastrophic events.	S	10	
		M	20	
		L	All	
	Goal #1 Actions 26-27			
1k	Number of action recommendations completed.	S	50	
		M	100	
		L	All	
	Goal #1 Actions 28-43			

Milestone Grading System

A = Met or exceeded milestone(s)

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WATERSHED GOAL #2 MILESTONE SCORECARD: REGIONAL GREEN INFRASTRUCTURE & NATURAL RESOURCES

Protect, enhance, and restore natural resources (soil, water, plant communities, and fish and wildlife) by employing good natural resource management practices. Using green infrastructure on public and private properties to maintain, enhance, or restore natural hydrology, native plant and wildlife communities, provide buffers for streams, lakes, wetlands, and high-quality areas. Expand environmental corridors to provide ecological, educational, and recreational benefits.

Timeframe: Short (S): 1-5 years, Medium (M): 6-10 years, Long (L): 10+ years

OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE	GRADE
2a	Number of water bodies removed from the Illinois EPA's impairments list. Goal #1 Actions 1-10	Addressed by Objective ID 1b (1)		
	Number of causes of impairment removed. Goal #1 Actions 1-7	Addressed by Objective ID 1b (2)		
	Area of open space identified and preserved for environmental and recreational natural areas. Goal #2 Actions 17-24	S	1,000 acres (in addition to 2018 baseline of 27,000 acres preserved)	
		M	2,000 acres (in addition to 2018 baseline of 27,000 acres preserved)	
		L	3,000 acres (in addition to 2018 baseline of 27,000 acres preserved)	
	Acres of invasive species removal/management projects. Goal #2 Actions 28-29	S	2,500	
		M	5,000	
		L	10,000	
	Area of degraded natural communities restored. Goal #2 Actions 1-3, 6, 7-11, 15, 16, 23, and 25-28	S	1,000 acres	
		M	5,000 acres	
		L	20,000 acres	
2c	Length of native plant buffers along water bodies maintained, expanded, and/or restored. Goal #2 Actions 12-13	S	10 miles	
		M	20 miles	
		L	50 miles	
2d	Acres of wetlands enhanced and/or restored. Goal #2 Actions 14-15	S	500 acres	
		M	1,500 acres	
		L	3,000 acres	
2e	Area of open space identified and preserved for environmental and recreational natural areas. Goal #2 Actions 17-24	Addressed by Objective ID 2a		
2f	Number of new trail connections. Goal #2 Action 25	S	5	
		M	10	
		L	20	

OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE	GRADE
2g	Number of lake management plans developed to address aquatic resource trends based on lake reports. Goal #2 Action 26	S	5 plans	
		M	10 plans	
		L	25 plans	
	Number of lake management plan project recommendations implemented. Goal #2 Action 26	S	5 plans	
		M	5 projects implemented	
		L	10 projects implemented	
2h	Number of lakes with Aquatic Plant Management Plans (APMP). Goal #2 Action 27	S	5	
		M	10	
		L	25	
2i	Acres of invasive species removal/management projects. Goal #2 Actions 28-29	Addressed by Objective ID 2a		
2j	Number of successful reintroductions of threatened and endangered native species into natural habitats. Goal #2 Action 30	S	1 attempted	
		M	5 attempted	
		L	2 successful	

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WATERSHED GOAL #3 MILESTONE SCORECARD: FLOOD DAMAGE REDUCTION

Reduce current flood damage in the DPR planning area and prevent future flooding from worsening in the watershed and along the Des Plaines River downstream of Lake County.

Timeframe: Short (**S**): 1-5 years, Medium (**M**): 6-10 years, Long (**L**): 10+ years

OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE	GRADE
3a	Area of new or restored flood storage sites. Goal #3 Actions 1-9	S	25 acres	
		M	50 acres	
		L	100 acres	
3b	Number of flood problem areas positively affected by flood mitigation projects implemented. Goal #3 Actions 1-9	S	10	
		M	20	
		L	30	
3c	Number of flood insurance policies in the watershed communities. Goal #3 Action 24	S	Track number of NFIP policies	
		M	Track number of NFIP policies	
		L	Track number of NFIP policies	
	Number of Lake County Floodproofing Workshop attendees. Goal #7 Actions 1-2, 4-5, 9, 13, 17-18	S	300	
		M	600	
		L	900	
3d	Number of action recommendations completed. Goal #1 Actions 28-43 Goal #3 Actions 6-9	Addressed by Objective ID 1k		
3e	Number of mapped overland flow routes. Goal #3 Action 10	S	1 subwatershed	
		M	5 subwatersheds	
		L	All 10 subwatersheds	
3f	Number of municipalities that have codes that allow or require green infrastructure for stormwater management. Goal #1 Actions 11-13	Addressed by Objective ID 1d		
3g	Number of local drainage system improvement projects implemented. Goal #3 Actions 1-10, 22, 25	S	25	
		M	50	
		L	100	
3h	Number of communities with established stream maintenance programs. Goal #3 Action 18	S	10	
		M	15	
		L	All municipalities	
3i	Number of updated FEMA floodplain maps (less than 10 years old).	S	2	
		M	5	
		L	Entire planning area	

OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE	GRADE
	Goal #3 Actions 19-21			
3j	Number of Voluntary Floodplain Buyouts.	S	20	
		M	50	
	Goal #3 Action 22	L	400	
3k	Number/value of claims filed each year per community in the watershed.	S	Reduce by 5%	
		M	Reduce by 10%	
	Goal #3 Actions 24	L	Reduce by 25%	

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WATERSHED GOAL #4 MILESTONE SCORECARD:

FUNDING, INSTALLING, AND MAINTAINING STORMWATER INFRASTRUCTURE

Reduce the volume and improve the quality of stormwater runoff by installing appropriate gray or green stormwater infrastructure. Improving the condition of existing stormwater infrastructure.

Timeframe: Short (S): 1-5 years, Medium (M): 6-10 years, Long (L): 10+ years

OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE	GRADE
4a	Number of action recommendations completed. Goal #1 Actions 28-43 Goal #3 Actions 6-9 Goal #4 Actions 2-4	Addressed by Objective ID 1k		
4b	Number of cost-sharing programs available in the DPR planning area. Goal #4 Actions 5-7, 9	S	5	
		M	7	
		L	10	
	Amount of grant funding available for stormwater green infrastructure and BMPs. Goal #4 Actions 5 and 9	S	\$2,500,000	
		M	\$3,000,000	
		L	\$5,000,000	
4c	Number of municipalities that have codes that allow or require green infrastructure for stormwater management. Goal #1 Actions 11-13 Goal #4 Actions 8-9, 11	Addressed by Objective ID 3f		
4d	Number of local, county, and state representatives provided educational outreach materials for improving local and countywide regulations. Goal #4 Action 9	S	20	
		M	40	
		L	50	
4e	Funding increase for in-the-ground stormwater BMPs. Goal #4 Actions 5 and 9	S	10% increase from 2018 baseline	
		M	10% increase from 2018 baseline	
		L	20% increase from 2018 baseline	
4f	Number of existing stormwater management structures retrofitted. Goal #4 Actions 10-11	S	30	
		M	100	
		L	500	
	Number of developments built using conservation design principles and/or green infrastructure. Goal #2 Action 19 Goal #3 Action 11-15 Goal #4 Action 4, 8	S	30	
		M	60	
		L	80	
4g	Potential maintenance needs identified in future stream and detention basin inventories. Goal #3 Action 18 Goal #4 Action 11, 15	S	N/A	
		M	10% aggregate reduction from 2018 baseline	
		L	20% aggregate reduction from 2018 baseline	

OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE	GRADE
4h	Number of communities with established stream maintenance programs. Goal #3 Action 18	Addressed by Objective ID 3h		
4i	Lane miles of roadway retrofitted or constructed with BMPs. Goal #4 Actions 12-13	S	5 miles	
		M	10 miles	
		L	15 miles	
4j	Number of informational guides on roles and responsibilities for stormwater gray/green infrastructure maintenance distributed. Goal #7 Action 9	S	2,000	
		M	5,000	
		L	10,000	
4k	Number of compliant site inspections performed during the 10-year operation and maintenance period for Illinois EPA 319 grant funded projects. Goal #4 Actions 14-16	S	All 319 grant funded projects	
		M	All 319 grant funded projects	
		L	All 319 grant funded projects	

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WATERSHED GOAL #5 MILESTONE SCORECARD:
COMMUNITY AND AGENCY COORDINATION

Improve coordination, research, and decision-making among public, private, and non-profit entities to help achieve watershed plan goals and objectives.

Timeframe: Short (**S**): 1-5 years, Medium (**M**): 6-10 years, Long (**L**): 10+ years

OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE	GRADE
5a	Number of municipalities, counties, and natural resource agencies that adopt the Des Plaines River Watershed-Based Plan. Goal #5 Actions 1 and 2	S	25 Agencies	
		M	All agencies	
		L	All agencies	
5b	Watershed stream annual monitoring program support. Goal #1 Actions 1-4 Goal #5 Action 3	Addressed by Objective ID 1a		
5c	Establishment of lead organization (watershed planning committee) with budget and executive committee. Goal #5 Actions 4-6	S	1 lead organization	
		M		
		L		
	Number of projects advanced/undertaken with the support of the watershed planning committee. Goal #5 Actions 7-8	S	100 action plan recommendations	
		M	250 action plan recommendations	
		L	500 action plan recommendations	
5d	Communities that have a designated individual or board member(s) to participate on the watershed planning committee. Goal #5 Action 4, 13	S	10 communities	
		M	20 communities	
		L	All communities	
5e	Number of jurisdictions implementing watershed site-specific and programmatic actions. Goal #5 Actions 9-11	S	10	
		M	20	
		L	All	
5f	Number of jurisdictions that have ordinances and programs that protect and preserve watershed natural resource areas. Goal #5 Actions 12-14	S	10	
		M	20	
		L	All	
	Number of municipalities that have codes that allow or require green infrastructure for stormwater management. Goal #5 Actions 10, 14	Addressed by Objective IDs 3f & 4c		
5g	Number of RiverWatch sites/lakes enrolled in volunteer/citizen scientist river and lake monitoring programs. Goal #1 Action 2 Goal #7 Actions 13	S	25	
		M	50	
		L	75	

OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE	GRADE
5h	Number of watershed stakeholders providing feedback for the watershed report cards. Goal #5 Action 15	S	30	
		M	100	
		L	200	

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WATERSHED GOAL #6 MILESTONE SCORECARD:
SUSTAINABLE AGRICULTURE SYSTEMS

Watershed stakeholders participate in farmland preservation programs and implement sustainable agricultural practices to accomplish other watershed goals and objectives.

Timeframe: Short (**S**): 1-5 years, Medium (**M**): 6-10 years, Long (**L**): 10+ years

OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE	GRADE
6a	Number and area of agricultural BMPs installed. Goal #6 Actions 1-9	S	25 BMPs cumulatively treating greater than 1,000 acres.	
		M	50 BMPs cumulatively treating greater than 2,000 acres	
		L	100 BMPs cumulatively treating greater than 5,000 acres	
6b	Number or percent of farms, equestrian facilities, and nurseries with Resource Management Plans. Goal #6 Action 10	S	5%	
		M	25%	
		L	50%	
6c	Number of high priority sediment reduction agriculture BMPs installed. Goal #6 Actions 11-12	S	15	
		M	30	
		L	60	
	Demonstration sites established and monitored. Goal #7 Action 2, 7, 13	S	3	
		M	5	
		L	7	
	Length of drain tile removed or disabled. Goal #6 Action 12	S	5,000 ft	
		M	10,000 ft	
		L	30,000 ft	
6d	Number of county and municipal agencies that have adopted a farmland preservation program(s). Goal #6 Action 13	L	Community dependent	
6e	Acres of cover crops or crop residue left on fall agricultural fields. Goal #6 Action 1, 8, 10, 13	S	5% of all conventional or reduced tilled fields (500 acres)	
		M	25% of all conventional or reduced tilled fields (2,500 acres)	
		L	50% of all conventional or reduced tilled fields (5,000 acres)	
	Acres of waterway, wetland, WASCOB, field border, filter strip, GSS and other erosion control agriculture BMPs that are implemented, enhanced or restored. Goal #6 Actions 1-9, 11-12	S	1) 5 acres grass conversion 2) 10 WASCOBs, 3) 5 equestrian facility/livestock operations, 4) 5 grass waterways, 5) 250 acres no-till and cover crops, 6) 5 field borders 7) 5 acres filter strips, 8) 50 acres of wetlands 9) 10 nutrient management plans	

OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE	GRADE
		M	1) 10 acres grass conversion 2) 10 WASCOBs 3) 10 equestrian facility/livestock operations 4) 10 grass waterways 5) 1,000 acres no-till and cover crops 6) 10 field borders 7) 10 acres filter strips 8) 100 acres of wetlands 9) 50 nutrient management plans	
		L	1) 5 acres grass conversion 2) 10 WASCOBs 3) 10 equestrian facility/livestock operations, 4) 10 grass waterways, 5) 3,000 acres no-till and cover crops, 6) 10 field borders, 7) 10 acres filter strips, 8) 200 acres of wetlands 9) 100 nutrient management plans	
6f	Number of prime farmland acres in production. Goal #6 Action 14	L	75% of all prime farmland (2018 baseline)	

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WATERSHED GOAL #7 MILESTONE SCORECARD: EDUCATION AND OUTREACH

Provide watershed stakeholders with the knowledge, skills, and motivation needed to take action to implement the watershed plan. Watershed stakeholders include (but are not limited to): residents, property owners, property owner associations, government agencies, jurisdictions, and developers.

Timeframe: Short (**S**): 1-5 years, Medium (**M**): 6-10 years, Long (**L**): 10+ years

OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE	GRADE
7a	Number of landowners that receive information about best practices for stream and lake shoreline restoration and maintenance. Goal #7 Action 1-2, 4, 13	S	500	
		M	500	
		L	2,000	
7b	Number of people reached by watershed outreach campaign. Goal #7 Actions 2, 4, 10-11, 16	S	Establish outreach campaign	
		M	5,000	
		L	10,000	
7c	Number of public agencies and local private contractors attending the annual Lake County De-icing Workshop. Goal #1 Actions 8-9 Goal #7 Action 3	S	20 public agencies; 100 local private contractors	
		M	35 public agencies; 150 local private contractors	
		L	All public agencies with winter maintenance responsibilities; 200 local private contractors	
	Number of public agencies with winter maintenance responsibilities that use alternative de-icing products. Goal #1 Actions 8-9 Goal #7 Action 3	S	20	
		M	35	
		L	All	
7d	Number of property owners that receive information about the importance of watershed health. Goal #7 Actions 2, 4, 11	S	2,000	
		M	5,000	
		L	10,000	
7e	Number of landowners that receive information about watershed programs and projects. Goal #7 Actions 2, 10, 12	S	2,000	
		M	5,000	
		L	10,000	
	Number of workshops. Goal #7 Actions 13, 16, 18	S	10	
		M	20	
		L	30	
	Number of action recommendations completed. Goal #1 Actions 28-43 Goal #3 Actions 6-9 Goal #4 Actions 2-4 Goal #7 Actions 20-21	Addressed by Objective IDs 1k		

OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE	GRADE
	Continuous increase in number of contacts on the SMC Des Plaines River watershed contact database. Goal #7 Actions 2, 4, 10-11, 16	S	5% increase	
		M	7% increase	
		L	10% increase	
7f	Pollution prevention campaign established. Goal #7 Actions 2-5, 8, 17, 22	S	Establish campaign	
		M	Maintain campaign	
		L	Maintain campaign	
7g	Number of volunteers for lake, stream, and natural area stewardship and maintenance. Goal #7 Actions 13-14	S	500	
		M	500	
		L	1,000	
7h	Number of native plant demonstration sites established, and trainings held. Goal #7 Actions 15-16, 21-22	S	1 site / 1 training/yr.	
		M	2 sites / 2 trainings/yr.	
		L	2 sites / 2 trainings/yr.	
7i	Number of communities that adopt the "no adverse impact standard." Goal #7 Action 17	S	2	
		M	5	
		L	All applicable communities	
7j	Number of educational flyers or mailings to high flood risk property owners about flood mitigation measures. Goal #7 Action 18	M	5,000	
	Number of clicks (overall activity) on SMC website with flooding resources. Goal #7 Action 4, 18	S	5% increase in 2018 baseline	
		M	7% increase in 2018 baseline	
7k	Number of educational signs regarding aquatic invasive species installed. Goal #7 Actions 20-22	S	10	
		M	20	
		L	At least one sign at every lake with public access	

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